

SEARCH HISTORY

=> d his ful

(FILE 'HOME' ENTERED AT 17:19:58 ON 19 DEC 2006)

FILE 'HCAPLUS' ENTERED AT 17:20:16 ON 19 DEC 2006

E SOROKIN VALERY NIKOLAEVICH/AU

L1 1 SEA ABB=ON "SOROKIN VALERY NIKOLAEVICH"/AU

L2 ANALYZE L1 1 CT : 4 TERMS

FILE 'HCAPLUS' ENTERED AT 17:30:13 ON 19 DEC 2006

E ROSENFELD MARK J/AU

L3 9 SEA ABB=ON ("ROSENFELD MARK"/AU OR "ROSENFELD MARK J"/AU OR
"ROSENFELD MARK JAY"/AU)

E FORSBERG SCOTT R/AU

L4 2 SEA ABB=ON ("FORSBERG SCOTT"/AU OR "FORSBERG SCOTT R"/AU)

L5 1 SEA ABB=ON L3 AND L4

SELECT RN L5 1

FILE 'REGISTRY' ENTERED AT 17:31:00 ON 19 DEC 2006

L6 18 SEA ABB=ON (1135-24-6/BI OR 113565-32-5/BI OR 149182-67-2/BI
OR 155835-54-4/BI OR 15893-52-4/BI OR 17359-53-4/BI OR
17359-54-5/BI OR 23520-34-5/BI OR 40925-63-1/BI OR 40925-70-0/B
I OR 4665-04-7/BI OR 532-91-2/BI OR 58469-06-0/BI OR 68596-52-1
/BI OR 7400-08-0/BI OR 765954-29-8/BI OR 765954-30-1/BI OR
765954-31-2/BI)

FILE 'HCAPLUS' ENTERED AT 17:31:12 ON 19 DEC 2006

L7 1 SEA ABB=ON L5 AND L6

L8 ANALYZE L7 1 CT : 27 TERMS

FILE 'REGISTRY' ENTERED AT 17:33:56 ON 19 DEC 2006

L9 1 SEA ABB=ON 532-91-2/RN

FILE 'HCAPLUS' ENTERED AT 17:34:38 ON 19 DEC 2006

L10 258 SEA ABB=ON L9

L11 2 SEA ABB=ON L10 AND (?WEIGHT?(W)?LOSS? OR ?APPETITE?(3A)?SUPPRE
S?)L12 3 SEA ABB=ON L10 AND (?OBESITY? OR ?OVERWEIGHT? OR ?APPETITE?(3A
)?DEPRES?)

L13 4 SEA ABB=ON L11 OR L12

L14 3 SEA ABB=ON L13 AND (PRD<20031120 OR PD<20031120)

FILE 'MEDLINE, BIOSIS, EMBASE, JAPIO, JICST-EPLUS' ENTERED AT 17:37:17 ON
19 DEC 2006

L15 0 SEA ABB=ON L13

FILE 'USPATFULL' ENTERED AT 17:37:47 ON 19 DEC 2006

L16 6 SEA ABB=ON L13 AND (PRD<20031120 OR PD<20031120)

FILE 'HCAPLUS, USPATFULL' ENTERED AT 17:38:27 ON 19 DEC 2006

L17 8 DUP REMOV L14 L16 (1 DUPLICATE REMOVED)

FILE HOME

FILE HCAPLUS

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FILE COVERS 1907 - 19 Dec 2006 VOL 145 ISS 26
FILE LAST UPDATED: 18 Dec 2006 (20061218/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 DEC 2006 HIGHEST RN 915867-78-6
DICTIONARY FILE UPDATES: 18 DEC 2006 HIGHEST RN 915867-78-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

FILE MEDLINE

FILE LAST UPDATED: 15 Dec 2006 (20061215/UP). FILE COVERS 1950 TO DATE.

All regular MEDLINE updates from November 15 to December 16 have been added to MEDLINE, along with 2007 Medical Subject Headings (MeSH(R)) and 2007 tree numbers.

The annual reload will be available in early 2007.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BIOSIS

FILE COVERS 1969 TO DATE.

CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 14 December 2006 (20061214/ED)

FILE EMBASE

FILE COVERS 1974 TO 19 Dec 2006 (20061219/ED)

EMBASE is now updated daily. SDI frequency remains weekly (default) and biweekly.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE JAPIO

FILE LAST UPDATED: 12 DEC 2006 <20061212/UP>

FILE COVERS APRIL 1973 TO AUGUST 31, 2006

>>> GRAPHIC IMAGES AVAILABLE <<<

>>> NEW IPC8 DATA AND FUNCTIONALITY NOW AVAILABLE IN FILE JAPIO.

SEE HELP CHANGE

AND

http://www.stn-international.de/stndatabases/details/ipc_reform.html <<<

FILE JICST-EPLUS

FILE COVERS 1985 TO 18 DEC 2006 (20061218/ED)

THE JICST-EPLUS FILE HAS BEEN RELOADED TO REFLECT THE 1999 CONTROLLED TERM (/CT) THESAURUS RELOAD.

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 19 Dec 2006 (20061219/PD)

FILE LAST UPDATED: 19 Dec 2006 (20061219/ED)

HIGHEST GRANTED PATENT NUMBER: US7152245

HIGHEST APPLICATION PUBLICATION NUMBER: US2006282930

CA INDEXING IS CURRENT THROUGH 19 Dec 2006 (20061219/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 19 Dec 2006 (20061219/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006

INVENTOR SEARCH

=> d ibib abs ind hitstr 17 1-1

L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:802555 HCAPLUS

DOCUMENT NUMBER: 141:307563

TITLE: Novel compounds for use in weight loss and appetite suppression in humans

INVENTOR(S): Rosenfeld, Mark J.; Forsberg, Scott R.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 38 pp., Cont.-in-part of U.S. Ser. No. 834,592.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004192669	A1	20040930	US 2003-718232	20031120
US 2001053789	A1	20011220	US 2001-834592	20010413
US 6667308	B2	20031223		
US 2004209877	A1	20041021	US 2004-845388	20040513
US 2005250772	A1	20051110	US 2005-178998	20050711
US 2006148795	A1	20060706	US 2006-371689	20060309
US 2006160795	A1	20060720	US 2006-377582	20060316
US 2006223796	A1	20061005	US 2006-385415	20060321
US 2006166981	A1	20060727	US 2006-390738	20060328
US 2006173001	A1	20060803	US 2006-393312	20060330
PRIORITY APPLN. INFO.:			US 2000-196829P	P 20000413
			US 2001-834592	A2 20010413
			US 2003-718232	A2 20031120
			US 2004-845388	A2 20040513
			US 2004-587167P	P 20040712

OTHER SOURCE(S): MARPAT 141:307563

AB Phenolic compds. with a phenolic mol. to which are covalently linked an oxygen-containing group, a nitrogen or another oxygen containing group, and a

C 1 -C 4 alkoxy group, obtainable from monocotyledonous plants, or by chemical synthesis, have been found to act as weight loss agents, appetite suppressants, mood enhancers and adjunctive therapy for arthritis, sleep apnea, fibromyalgia, diabetes and hyperglycemia. Addnl. chemical compds. of the present invention may include benzoxazinoids-cyclic hydroxamic acids, lactams, and corresponding glucosides, which may serve as precursors to phenolic compds. The phenolic compds. and precursors of phenolic compds. of the present invention, at concns. suitable for human therapeutic use, may be obtained from monocotyledonous plants such as corn in their early growth states which are timely harvested for optimum yield.

IC ICM A61K031-553

ICS A61K031-538; A61K031-423

INCL 514211060; 514230500; 514375000

CC 1-10 (Pharmacology)

Section cross-reference(s): 11, 28

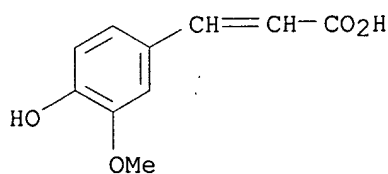
ST appetite depressant

IT Sexual behavior

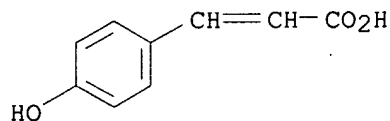
(aphrodisiacs for; compds. for use in weight loss and appetite suppression in humans)

- IT Poaceae
 - (barley-like, wild; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
 - (capsules; compds. for use in weight loss and appetite suppression in humans)
- IT Antidepressants
- IT Antiobesity agents
- IT Appetite depressants
- IT Arthritis
- IT Avena sativa
- IT Bamboo
- IT Coix lacryma-jobi
- IT Diabetes mellitus
- IT Hordeum vulgare
- IT Human
- IT Hyperglycemia
- IT Liliopsida
- IT Mammalia
- IT Obesity
- IT Oryza sativa
- IT Panicum
- IT Secale cereale
- IT Sleep apnea
- IT Sorghum bicolor
- IT Triticum aestivum
- IT Zea mays
 - (compds. for use in weight loss and appetite suppression in humans)
- IT Mental and behavioral disorders
 - (depression; compds. for use in weight loss and appetite suppression in humans)
- IT Muscle, disease
 - (fibromyalgia; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
 - (implants; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
 - (injections, i.m.; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
 - (injections, i.v.; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
 - (injections, s.c.; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
 - (intranasal, transmucosal; compds. for use in weight loss and appetite suppression in humans)
- IT Body weight
 - (loss; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
 - (oral; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
 - (parenterals; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
 - (solns.; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems

- (sublingual; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
(suspensions; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
(sustained-release; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
(tablets; compds. for use in weight loss and appetite suppression in humans)
- IT Drug delivery systems
(transdermal, controlled-release; compds. for use in weight loss and appetite suppression in humans)
- IT **1135-24-6**, 4-Hydroxy-3-methoxycinnamic acid **7400-08-0**, 4-Hydroxycinnamic acid
RL: NPO (Natural product occurrence); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(compds. for use in weight loss and appetite suppression in humans)
- IT **532-91-2**, 6-Methoxy-2-benzoxazolinone **4665-04-7**
15893-52-4, DIMBOA **17359-53-4**, HMBOA **17359-54-5**, DIBOA **23520-34-5**, HBOA **40925-63-1** **40925-70-0**, 2-Amino-5-methoxyphenol **58469-06-0** **68596-52-1**, 2-Hydroxy-5-methoxyacetanilide **113565-32-5**, DIMBOA-Glc **149182-67-2** **155835-54-4**, DIBOA-Glc **765954-29-8** **765954-30-1** **765954-31-2**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compds. for use in weight loss and appetite suppression in humans)
- IT **1135-24-6**, 4-Hydroxy-3-methoxycinnamic acid **7400-08-0**, 4-Hydroxycinnamic acid
RL: NPO (Natural product occurrence); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(compds. for use in weight loss and appetite suppression in humans)
- RN **1135-24-6** HCAPLUS
- CN 2-Propenoic acid, 3-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



- RN **7400-08-0** HCAPLUS
- CN 2-Propenoic acid, 3-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



- IT **532-91-2**, 6-Methoxy-2-benzoxazolinone **4665-04-7**
15893-52-4, DIMBOA **17359-53-4**, HMBOA **17359-54-5**, DIBOA **23520-34-5**, HBOA **40925-63-1** **40925-70-0**, 2-Amino-5-methoxyphenol **58469-06-0** **68596-52-1**,

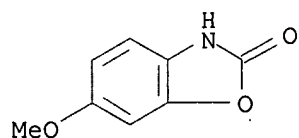
2-Hydroxy-5-methoxyacetanilide **113565-32-5**, DIMBOA-Glc
149182-67-2 155835-54-4, DIBOA-Glc **765954-29-8**
765954-30-1 765954-31-2

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)

(comps. for use in weight loss and appetite suppression in humans)

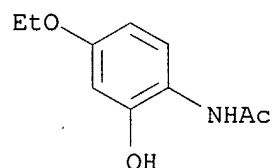
RN 532-91-2 HCAPLUS

CN 2(3H)-Benzoxazolone, 6-methoxy- (9CI) (CA INDEX NAME)



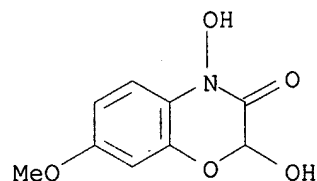
RN 4665-04-7 HCAPLUS

CN Acetamide, N-(4-ethoxy-2-hydroxyphenyl)- (9CI) (CA INDEX NAME)



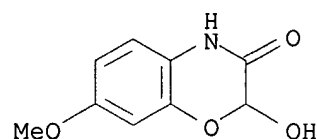
RN 15893-52-4 HCAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 2,4-dihydroxy-7-methoxy- (6CI, 7CI, 8CI, 9CI)
 (CA INDEX NAME)



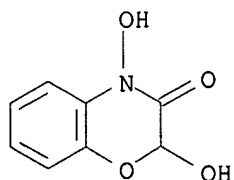
RN 17359-53-4 HCAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 2-hydroxy-7-methoxy- (8CI, 9CI) (CA INDEX NAME)



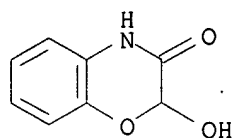
RN 17359-54-5 HCAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 2,4-dihydroxy- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



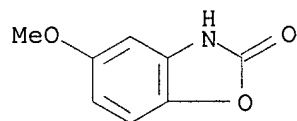
RN 23520-34-5 HCAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 2-hydroxy- (6CI, 7CI, 9CI) (CA INDEX NAME)



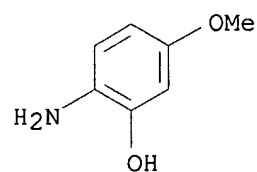
RN 40925-63-1 HCAPLUS

CN 2(3H)-Benzoxazolone, 5-methoxy- (9CI) (CA INDEX NAME)



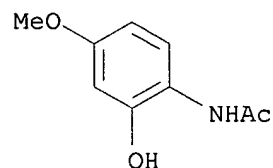
RN 40925-70-0 HCAPLUS

CN Phenol, 2-amino-5-methoxy- (6CI, 7CI, 9CI) (CA INDEX NAME)



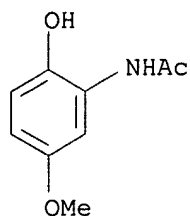
RN 58469-06-0 HCAPLUS

CN Acetamide, N-(2-hydroxy-4-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 68596-52-1 HCAPLUS

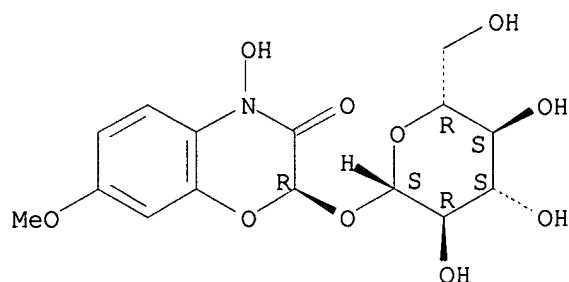
CN Acetamide, N-(2-hydroxy-5-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 113565-32-5 HCAPLUS

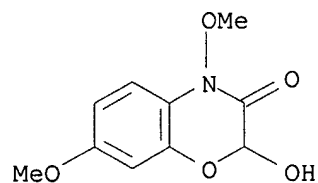
CN 2H-1,4-Benzoxazin-3(4H)-one, 2-(β -D-glucopyranosyloxy)-4-hydroxy-7-methoxy-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



RN 149182-67-2 HCAPLUS

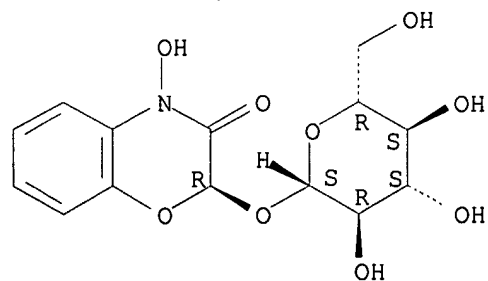
CN 2H-1,4-Benzoxazin-3(4H)-one, 2-hydroxy-4,7-dimethoxy- (9CI) (CA INDEX NAME)



RN 155835-54-4 HCAPLUS

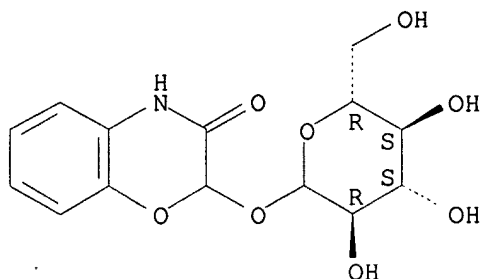
CN 2H-1,4-Benzoxazin-3(4H)-one, 2-(β -D-glucopyranosyloxy)-4-hydroxy-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



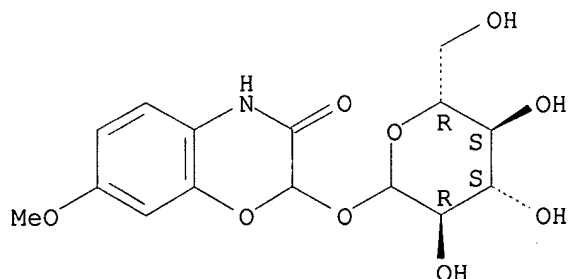
RN 765954-29-8 HCAPLUS
 CN 2H-1,4-Benzoxazin-3(4H)-one, 2-(D-glucopyranosyloxy)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



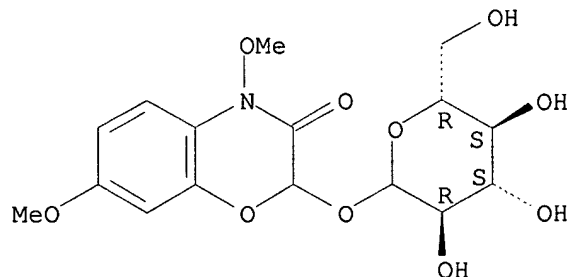
RN 765954-30-1 HCAPLUS
 CN 2H-1,4-Benzoxazin-3(4H)-one, 2-(D-glucopyranosyloxy)-7-methoxy- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

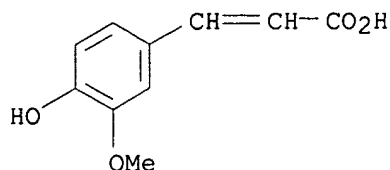


RN 765954-31-2 HCAPLUS
 CN 2H-1,4-Benzoxazin-3(4H)-one, 2-(D-glucopyranosyloxy)-4,7-dimethoxy- (9CI) (CA INDEX NAME)

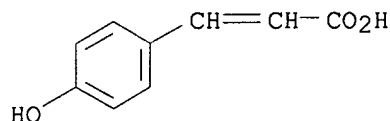
Absolute stereochemistry.



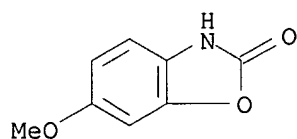
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 CN 2-Propenoic acid, 3-(4-hydroxy-3-methoxyphenyl)- (9CI) (CA INDEX NAME)



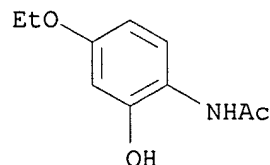
RN 7400-08-0 HCAPLUS
 CN 2-Propenoic acid, 3-(4-hydroxyphenyl)- (9CI) (CA INDEX NAME)



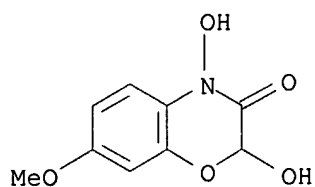
IT 532-91-2, 6-Methoxy-2-benzoxazolinone 4665-04-7
 15893-52-4, DIMBOA 17359-53-4, HMBOA 17359-54-5
 , DIBOA 23520-34-5, HBOA 40925-63-1 40925-70-0
 , 2-Amino-5-methoxyphenol 58469-06-0 68596-52-1,
 2-Hydroxy-5-methoxyacetanilide 113565-32-5, DIMBOA-Glc
 149182-67-2 155835-54-4, DIBOA-Glc 765954-29-8
 765954-30-1 765954-31-2
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (compds. for use in weight loss and appetite suppression in humans)
 RN 532-91-2 HCAPLUS
 CN 2(3H)-Benzoxazolone, 6-methoxy- (9CI) (CA INDEX NAME)



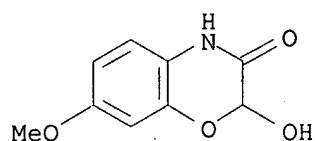
RN 4665-04-7 HCAPLUS
 CN Acetamide, N-(4-ethoxy-2-hydroxyphenyl)- (9CI) (CA INDEX NAME)



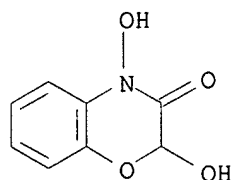
RN 15893-52-4 HCAPLUS
 CN 2H-1,4-Benzoxazin-3(4H)-one, 2,4-dihydroxy-7-methoxy- (6CI, 7CI, 8CI, 9CI)
 (CA INDEX NAME)



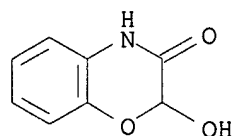
RN 17359-53-4 HCAPLUS
 CN 2H-1,4-Benzoxazin-3(4H)-one, 2-hydroxy-7-methoxy- (8CI, 9CI) (CA INDEX NAME)



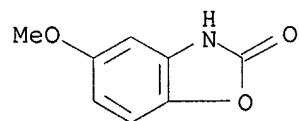
RN 17359-54-5 HCAPLUS
 CN 2H-1,4-Benzoxazin-3(4H)-one, 2,4-dihydroxy- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



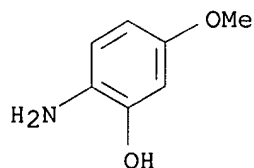
RN 23520-34-5 HCAPLUS
 CN 2H-1,4-Benzoxazin-3(4H)-one, 2-hydroxy- (6CI, 7CI, 9CI) (CA INDEX NAME)



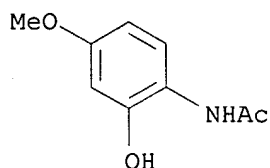
RN 40925-63-1 HCAPLUS
 CN 2(3H)-Benzoxazolone, 5-methoxy- (9CI) (CA INDEX NAME)



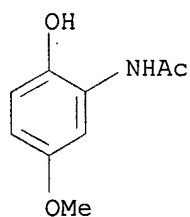
RN 40925-70-0 HCAPLUS
 CN Phenol, 2-amino-5-methoxy- (6CI, 7CI, 9CI) (CA INDEX NAME)



RN 58469-06-0 HCAPLUS
 CN Acetamide, N-(2-hydroxy-4-methoxyphenyl)- (9CI) (CA INDEX NAME)

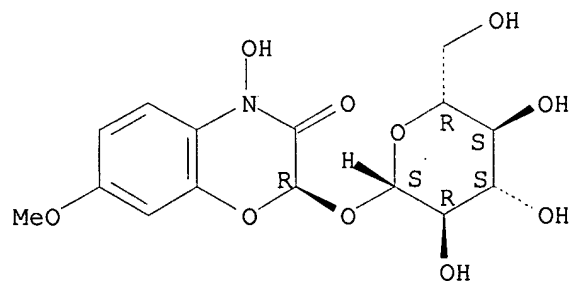


RN 68596-52-1 HCAPLUS
 CN Acetamide, N-(2-hydroxy-5-methoxyphenyl)- (9CI) (CA INDEX NAME)

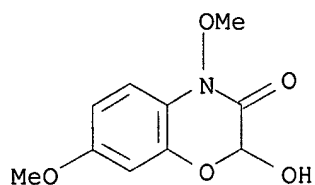


RN 113565-32-5 HCAPLUS
 CN 2H-1,4-Benzoxazin-3(4H)-one, 2-(β-D-glucopyranosyloxy)-4-hydroxy-7-methoxy-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



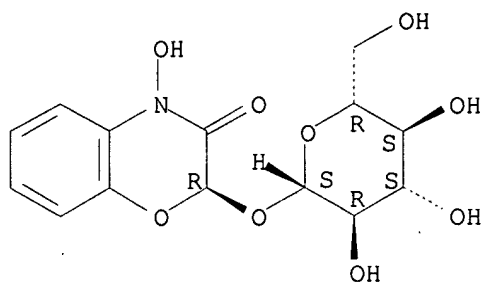
RN 149182-67-2 HCAPLUS
 CN 2H-1,4-Benzoxazin-3(4H)-one, 2-hydroxy-4,7-dimethoxy- (9CI) (CA INDEX NAME)



RN 155835-54-4 HCAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 2-(β -D-glucopyranosyloxy)-4-hydroxy-,
(2R)- (9CI) (CA INDEX NAME)

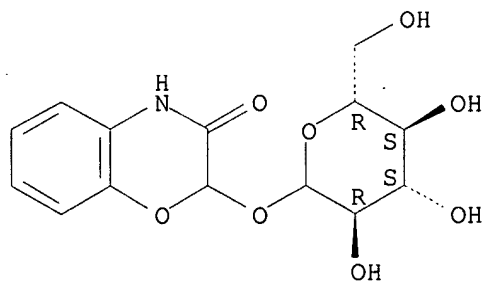
Absolute stereochemistry. Rotation (+).



RN 765954-29-8 HCAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 2-(D-glucopyranosyloxy)- (9CI) (CA INDEX NAME)

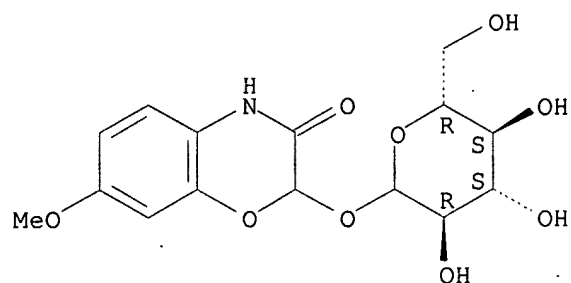
Absolute stereochemistry.



RN 765954-30-1 HCAPLUS

CN 2H-1,4-Benzoxazin-3(4H)-one, 2-(D-glucopyranosyloxy)-7-methoxy- (9CI) (CA INDEX NAME)

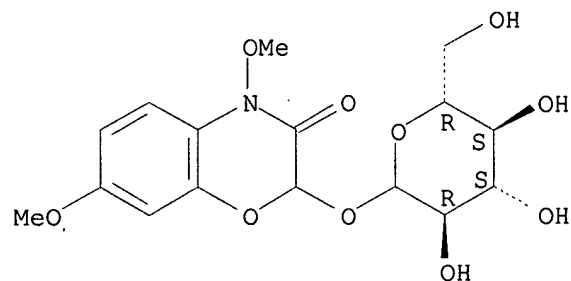
Absolute stereochemistry.



RN 765954-31-2 HCAPLUS

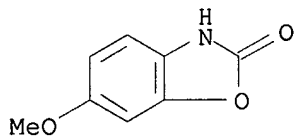
CN 2H-1,4-Benzoxazin-3(4H)-one, 2-(D-glucopyranosyloxy)-4,7-dimethoxy- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



DISPLAY OF REQUESTED COMPOUND INFORMATION FROM REGISTRY

L9 ANSWER 1 OF 1 REGISTRY, COPYRIGHT 2006 ACS on STN
RN 532-91-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2(3H)-Benzoxazolone, 6-methoxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Benzoxazolinone, 6-methoxy- (6CI, 7CI, 8CI)
OTHER NAMES:
CN 6-MBOA
CN 6-Methoxy-2-benzoxazolinone
CN 6-Methoxy-3H-benzoxazol-2-one
CN 6-Methoxybenzoxazolin-2(3H)-one
CN Coixol
CN MBOA
DR 13895-18-6, 83144-55-2
MF C8 H7 N O3
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, MEDLINE, NAPRALERT, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

258 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
258 REFERENCES IN FILE CAPLUS (1907 TO DATE)
12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
ED Entered STN: 16 Nov 1984

=> d que stat 117

L9 1 SEA FILE=REGISTRY ABB=ON 532-91-2/RN
 L10 258 SEA FILE=HCAPLUS ABB=ON L9
 L11 2 SEA FILE=HCAPLUS ABB=ON L10 AND (?WEIGHT?(W)?LOSS? OR
 ?APPETITE?(3A)?SUPPRES?)
 L12 3 SEA FILE=HCAPLUS ABB=ON L10 AND (?OBESITY? OR ?OVERWEIGHT? OR
 ?APPETITE?(3A)?DEPRES?)
 L13 4 SEA FILE=HCAPLUS ABB=ON L11 OR L12
 L14 3 SEA FILE=HCAPLUS ABB=ON L13 AND (PRD<20031120 OR PD<20031120)
 L16 6 SEA FILE=USPATFULL ABB=ON L13 AND (PRD<20031120 OR PD<20031120
)
 L17 8 DUP REMOV L14 L16 (1 DUPLICATE REMOVED)

=> d ibib abs hitstr 117 1-8

L17 ANSWER 1 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2006:196225 USPATFULL

TITLE: Novel compounds for use in **weight loss** and **appetite suppression** in humans

INVENTOR(S): Rosenfeld, Mark J., Draper, UT, UNITED STATES
 Forsberg, Scott R., Layton, UT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006166981	A1	20060727
APPLICATION INFO.:	US 2006-390738	A1	20060328 (11)
RELATED APPLN. INFO.:	Division of Ser. No. US 2003-718232, filed on 20 Nov 2003, PENDING Continuation-in-part of Ser. No. US 2001-834592, filed on 13 Apr 2001, GRANTED, Pat. No. US 6667308		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-196829P	20000413 (60) <--
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATE PIERCE & BAIRD, 215 SOUTH STATE STREET, SUITE 550, PARKSIDE TOWER, SALT LAKE CITY, UT, 84111, US	
NUMBER OF CLAIMS:	29	
EXEMPLARY CLAIM:	1-62	
NUMBER OF DRAWINGS:	17 Drawing Page(s)	
LINE COUNT:	1362	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Phenolic compounds with a phenolic molecule to which are covalently linked an oxygen-containing group, a nitrogen or another oxygen containing group, and a C.sub.1-C.sub.4 alkoxy group, obtainable from monocotyledonous plants, or by chemical synthesis, have been found to act as **weight loss** agents, **appetite suppressants**, mood enhancers and adjunctive therapy for arthritis, sleep apnea, fibromyalgia, diabetes and hyperglycemia. Additional chemical compounds of the present invention may include benzoxazinoids-cyclic hydroxyamic acids, lactams, and corresponding glucosides, which may serve as precursors to phenolic compounds. The phenolic compounds and precursors of phenolic compounds of the present invention, at concentrations suitable for human therapeutic use, may be obtained from monocotyledonous plants such as corn in their early growth

states which are timely harvested for optimum yield.

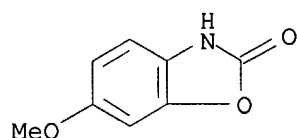
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 532-91-2, 6-Methoxy-2-benzoxazolinone

(phenolic compds. for use as antidepressants, aphrodisiacs and adjunctive therapies in humans)

RN 532-91-2 USPATFULL

CN 2(3H)-Benzoxazolone, 6-methoxy- (9CI) (CA INDEX NAME)



L17 ANSWER 2 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2006:189355 USPATFULL

TITLE: Novel compounds for use in **weight loss and appetite suppression** in humans

INVENTOR(S): Rosenfeld, Mark J., Draper, UT, UNITED STATES
Forsberg, Scott R., Layton, UT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006160795	A1	20060720
APPLICATION INFO.:	US 2006-377582	A1	20060316 (11)
RELATED APPLN. INFO.:	Division of Ser. No. US 2003-718232, filed on 20 Nov 2003, PENDING Continuation-in-part of Ser. No. US 2001-834592, filed on 13 Apr 2001, GRANTED, Pat. No. US 6667308		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-196829P	20000413 (60) <--
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATE PIERCE & BAIRD, 215 SOUTH STATE STREET, SUITE 550, PARKSIDE TOWER, SALT LAKE CITY, UT, 84111, US	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1-31	
NUMBER OF DRAWINGS:	17 Drawing Page(s)	
LINE COUNT:	1376	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Phenolic compounds with a phenolic molecule to which are covalently linked an oxygen-containing group, a nitrogen or another oxygen containing group, and a C.sub.1-C.sub.4 alkoxy group, obtainable from monocotyledonous plants, or by chemical synthesis, have been found to act as **weight loss agents, appetite suppressants**; mood enhancers and adjunctive therapy for arthritis, sleep apnea, fibromyalgia, diabetes and hyperglycemia. Additional chemical compounds of the present invention may include benzoxazinoids-cyclic hydroxyamic acids, lactams, and corresponding glucosides, which may serve as precursors to phenolic compounds. The phenolic compounds and precursors of phenolic compounds of the present invention, at concentrations suitable for human therapeutic use, may be obtained from monocotyledonous plants such as corn in their early growth

states which are timely harvested for optimum yield.

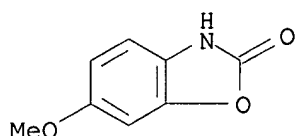
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 532-91-2, 6-Methoxy-2-benzoxazolinone

(phenolic compds. for use as antidepressants, aphrodisiacs and adjunctive therapies in humans)

RN 532-91-2 USPATFULL

CN 2(3H)-Benzoxazolone, 6-methoxy- (9CI) (CA INDEX NAME)



L17. ANSWER 3 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:842229 HCAPLUS

DOCUMENT NUMBER: 145:256160

TITLE: Composition for improving adult diseases and **obesity** using active ingredients of medicinal plants

INVENTOR(S): Seo, Wang Sik

PATENT ASSIGNEE(S): S. Korea

SOURCE: Repub. Korean Kongkae Taeho Kongbo, No pp. given
CODEN: KRXXA7

DOCUMENT TYPE: Patent

LANGUAGE: Korean

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
KR 2005001556	A	20050107	KR 2003-41761	20030625 <--
PRIORITY APPLN. INFO.:			KR 2003-41761	20030625 <--

AB Provided is a composition for improving adult diseases and **obesity** which is prepared by extracting active ingredients from medicinal plants, and concentrating and drying the extract The composition for improving adult diseases and

obesity is characterized by containing pharmacol. effective ingredients extracted from medicinal plants with dopamine, and pharmaceutically acceptable carriers. The pharmacol. effective ingredients include (1) ≥ 1 substances selected from the group consisting of ginsenoside Ro, Ra-Rh, panaxynol, β -elemene, β -sitosterol, amino acids, peptides, maltol, choline, allylcysteine sulfoxide, capsaicin, dihydrocapsaicin, vanillyl N-decoylamide, capsanthin, carotene, vitamin C, starch, fatty oil, coixol, sterol, vitamin B1, coixenolide, D-glucose, D-mannose, phosphorus, iodine, fucoidan, laminarin, mannitol, polyphenol, tannin, catechin and glucosamine; (2) ≥ 1 substances selected from the group consisting of gutta-percha, ketose, chlorogenic acid, pectin, acanthoside A, B, C, D, daucosterol, polyacetylene, liriiodendrin, campesterol, carthamin, carthamidin, lignan, linoleic acid, γ -linolenic acid, cinnamic aldehyde, cinnamyl acetate, phenylpropyl acetate, betaine, vitamin B1, zeaxanthin, physalien, mucin, decursin, decursinol, nodakenin, α -pinene, limonene, β -eudesmol and elemol; and (3) ≥ 1 substances selected from the group consisting of morroniside, loganin, cornin, gallic acid, tartaric acid, malic acid, gyrophoric acid, lecanoric

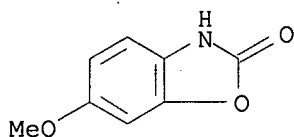
acid, nelumbine, zotusine, liensinine, pronuciferine, cimitin, cimicifugin, salicylic acid, fatty acid, chrysophanol, emodin, rhein, fatty oil, protein, costuslactone, costic acid, costol, α -, β -costene, saussurine, inulin, glycyrrhizin, liquiritigenin, glucose, mannitol, malic acid and L-asparagine.

IT 532-91-2, Coixol

RL: NPO (Natural product occurrence); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)
(aging-related diseases and **obesity** treatment with components in natural products)

RN 532-91-2 HCAPLUS

CN 2(3H)-Benzoxazolone, 6-methoxy- (9CI) (CA INDEX NAME)



L17 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2005:287506 USPATFULL

TITLE: Methods for inducing anti-anxiety and calming effects in animals and humans

INVENTOR(S): Shelby, Nancy J., Park City, UT, UNITED STATES
Godfrey, Mitchell T., Townsend, MT, UNITED STATES
Rosenfeld, Mark J., Draper, UT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005250772	A1	20051110
APPLICATION INFO.:	US 2005-178998	A1	20050711 (11)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2004-845388, filed on 13 May 2004, PENDING Continuation-in-part of Ser. No. US 2003-718232, filed on 20 Nov 2003, PENDING Continuation-in-part of Ser. No. US 2001-834592, filed on 13 Apr 2001, GRANTED, Pat. No. US 6667308		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2004-587167P	20040712 (60)
	US 2000-196829P	20000413 (60) <--
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATE PIERCE & BAIRD, 215 SOUTH STATE STREET, SUITE 550, PARKSIDE TOWER, SALT LAKE CITY, UT, 84111, US	
NUMBER OF CLAIMS:	84	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	2653	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Phenolic compounds with a phenolic molecule to which are covalently linked an oxygen-containing group, a nitrogen or another oxygen containing group, and a C.sub.1-C.sub.4 alkoxy group, or their precursor compounds, obtainable from monocotyledonous plants, or by chemical synthesis, have been found to calm and/or reduce anxiety and related behaviors and states in humans and animals. Additional chemical compounds of the present invention may include benzoxazinoids-cyclic

hydroxyamic acids, lactams, and corresponding glucosides, which may serve as precursors to phenolic compounds. The phenolic compounds and precursors of phenolic compounds of the present invention, at concentrations suitable for human and animal therapeutic use, may be obtained from monocotyledonous plants such as corn in their early growth states which are timely harvested for optimum yield.

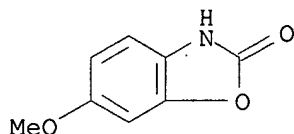
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 532-91-2P

(methods for inducing anti-anxiety and calming effects in animals and humans using phenolic compds. obtainable from monocotyledonous plants)

RN 532-91-2 USPATFULL

CN 2(3H)-Benzoxazolone, 6-methoxy- (9CI) (CA INDEX NAME)



L17 ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2004:802555 HCAPLUS

DOCUMENT NUMBER: 141:307563

TITLE: Novel compounds for use in **weight loss and appetite suppression** in humans

INVENTOR(S): Rosenfeld, Mark J.; Forsberg, Scott R.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 38 pp., Cont.-in-part of U.S. Ser. No. 834,592.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004192669	A1	20040930	US 2003-718232	20031120 <--
US 2001053789	A1	20011220	US 2001-834592	20010413 <--
US 6667308	B2	20031223		
US 2004209877	A1	20041021	US 2004-845388	20040513 <--
US 2005250772	A1	20051110	US 2005-178998	20050711 <--
US 2006148795	A1	20060706	US 2006-371689	20060309
US 2006160795	A1	20060720	US 2006-377582	20060316 <--
US 2006223796	A1	20061005	US 2006-385415	20060321
US 2006166981	A1	20060727	US 2006-390738	20060328 <--
US 2006173001	A1	20060803	US 2006-393312	20060330
PRIORITY APPLN. INFO.:			US 2000-196829P	P 20000413 <--
			US 2001-834592	A2 20010413 <--
			US 2003-718232	A2 20031120
			US 2004-845388	A2 20040513
			US 2004-587167P	P 20040712

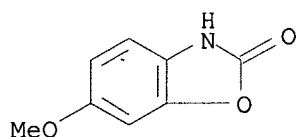
OTHER SOURCE(S): MARPAT 141:307563

AB Phenolic compds. with a phenolic mol. to which are covalently linked an oxygen-containing group, a nitrogen or another oxygen containing group, and a

C 1

-C 4 alkoxy group, obtainable from monocotyledonous plants, or by chemical synthesis, have been found to act as **weight loss** agents, **appetite suppressants**, mood enhancers and adjunctive therapy for arthritis, sleep apnea, fibromyalgia, diabetes and hyperglycemia. Addnl. chemical compds. of the present invention may include benzoxazinoids-cyclic hydroxamic acids, lactams, and corresponding glucosides, which may serve as precursors to phenolic compds. The phenolic compds. and precursors of phenolic compds. of the present invention, at concns. suitable for human therapeutic use, may be obtained from monocotyledonous plants such as corn in their early growth states which are timely harvested for optimum yield.

IT **532-91-2**, 6-Methoxy-2-benzoxazolinone
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (compds. for use in **weight loss** and **appetite suppression** in humans)
 RN 532-91-2 HCAPLUS
 CN 2(3H)-Benzoxazolone, 6-methoxy- (9CI) (CA INDEX NAME)



L17 ANSWER 6 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2004:268334 USPATFULL

TITLE: Methods for augmenting immune defenses contemplating the administration of phenolic and indoleamine-like compounds for use in animals and humans

INVENTOR(S): Shelby, Nancy J., Park City, UT, UNITED STATES
 Rosenfeld, Mark J., Draper, UT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004209877	A1	20041021
APPLICATION INFO.:	US 2004-845388	A1	20040513 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2003-718232, filed on 20 Nov 2003, PENDING Continuation-in-part of Ser. No. US 2001-834592, filed on 13 Apr 2001, GRANTED, Pat. No. US 6667308		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-196829P	20000413 (60) <--
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	PATE PIERCE & BAIRD, 215 SOUTH STATE STREET, SUITE 550, PARKSIDE TOWER, SALT LAKE CITY, UT, 84111	
NUMBER OF CLAIMS:	51	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	2193	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Phenolic compounds with a phenolic molecule to which are covalently linked an oxygen-containing group, a nitrogen or another oxygen containing group, and a C.sub.1-C.sub.4 alkoxy group, obtainable from

monocotyledonous plants, or by chemical synthesis, have been found to preserve and/or augment innate immune defenses in humans and animals. Additional chemical compounds of the present invention may include benzoxazinoids-cyclic hydroxyamic acids, lactams, and corresponding glucosides, which may serve as precursors to phenolic compounds. The phenolic compounds and precursors of phenolic compounds of the present invention, at concentrations suitable for human and animal therapeutic use, may be obtained from monocotyledonous plants such as corn in their early growth states which are timely harvested for optimum yield.

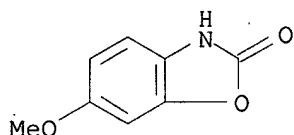
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 532-91-2

(phenolic and indolamine-like compds. for preserving and augmenting immune defenses)

RN 532-91-2 USPATFULL

CN 2(3H)-Benzoxazolone, 6-methoxy- (9CI) (CA INDEX NAME)



L17 ANSWER 7 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:780673 HCAPLUS

DOCUMENT NUMBER: 135:327356

TITLE: Phenolic compounds for use as antidepressants, aphrodisiacs and adjunctive therapies in humans

INVENTOR(S): Rosenfeld, Mark J.; Berger, Patricia J.; Negus, Norman C.

PATENT ASSIGNEE(S): Seroctin Research & Technology, Inc., USA

SOURCE: PCT Int. Appl.; 32 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001078714	A1	20011025	WO 2001-US12045	20010413 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1417167	A1	20040512	EP 2001-932550	20010413 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
PRIORITY APPLN. INFO.:			US 2000-196829P	P 20000413 <--
			WO 2001-US12045	W 20010413 <--
OTHER SOURCE(S): MARPAT 135:327356				
AB Phenolic compds. with a phenolic mol. to which are covalently linked an				

oxygen-containing group, a nitrogen- or another oxygen containing group, and a C1-C4 alkoxy group, obtainable from monocotyledonous plants, animals that eat such plants, or chemical synthesis, have been found to act as an antidepressant or otherwise a treatment for bettering mood, a therapy for improving sexual desire or performance, an adjunctive therapy for achieving **weight loss**, and an adjunctive therapy for substance abuse and addiction. These compds., at concns. suitable for human therapeutic use, may be obtained from plants such as corn in their early growth stages and form parts of animals such as the velvet antler tips of deer and elk. Examples are given for physiol. effects of compds. such as 2-amino-5-methoxyphenol, 6-methoxy-2-benzoxazolinone, or 2,4-dihydroxy-7-methoxy-1,4(2H)-benzoxazin-3-one, and antidepressant and aphrodisiac effects in humans.

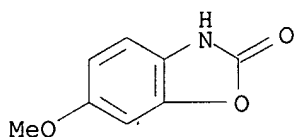
IT 532-91-2, 6-Methoxy-2-benzoxazolinone

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(phenolic compds. for use as antidepressants, aphrodisiacs and adjunctive therapies in humans)

RN 532-91-2 HCAPLUS

CN 2(3H)-Benzoxazolinone, 6-methoxy- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 8 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2001:233559 USPATFULL

TITLE: Novel compounds for use as antidepressants, aphrodisiacs and adjunctive therapies in humans

INVENTOR(S): Rosenfeld, Mark J., Salt Lake City, UT, United States
Berger, Patricia J., Cora, WY, United States
Negus, Norman C., Cora, WY, United States

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2001053789	A1	20011220	<--
	US 6667308	B2	20031223	
APPLICATION INFO.:	US 2001-834592	A1	20010413	(9)

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PRIORITY INFORMATION:	US 2000-196829P	20000413	(60) <--
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NUMBER OF CLAIMS:	19		
EXEMPLARY CLAIM:	1		
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LINE COUNT:	654		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Phenolic compounds with a phenolic molecule to which are covalently

linked an oxygen-containing group, a nitrogen- or another oxygen containing group, and a C.sub.1-C.sub.4.alkoxy group, obtainable from monocotyledonous plants, animals that eat such plants, or chemical synthesis, have been found to act as an antidepressant or otherwise a treatment for bettering mood, a therapy for improving sexual desire or performance, an adjunctive therapy for achieving **weight loss**, and an adjunctive therapy for substance abuse and addiction. These compounds, at concentrations suitable for human therapeutic use, may be obtained from plants such as corn in their early growth stages and from parts of animals such as the velvet antler tips of deer and elk.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **532-91-2**, 6-Methoxy-2-benzoxazolinone

(phenolic compds. for use as antidepressants, aphrodisiacs and adjunctive therapies in humans)

RN 532-91-2 USPATFULL

CN 2(3H)-Benzoxazolone, 6-methoxy- (9CI) (CA INDEX NAME)

